

**ABSTRACT**

A method of removing moisture and toxic gas components from exhaust gas, comprises making exhaust gas, exhausted from an LNG burning boiler, flow through coolant contained in a dehydrating tower to cool it to such a temperature as to solidify moisture and nitrogen oxides but not carbon dioxide, thereby solidifying moisture and nitrogen oxides contained in the exhaust gas to separate from the exhaust gas; introducing the solidified moisture and nitrogen oxides into a solid-liquid separator thereby separating the moisture or the nitrogen oxides from the coolant; and making the coolant be contained in a cooling tower so as to be cooled, and then making the coolant be contained in the dehydrating tower again so as to be circulated.